1 **IN THE CLAIMS**

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3 Please amend claims 1-7 and 22-23 as follows:

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5 1. (Currently Amended) <u>Each of a plurality of coupling circuits</u> A coupling

6 ~~circuit~~ for a Serial ATA storage device, comprising:

7 a first Serial ATA controller-side transceiver receiving a first Serial ATA

8 communication path;

9 a second Serial ATA controller-side transceiver receiving a second Serial ATA

10 communication path;

11 a Serial ATA storage device-side transceiver;

12 coupling circuit switches selectively coupling either the first Serial ATA controller-

13 side transceiver or the second Serial ATA controller-side transceiver to the Serial ATA

14 storage device-side transceiver; and

15 a microcontroller adapted to control the coupling circuit switches.

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17 2. (Currently Amended) <u>Each of the plurality of coupling circuits</u> The coupling

18 ~~circuit~~ of claim 1, further comprising an out of band squelch control component for

19 activating the first Serial ATA controller-side transceiver receiving a first Serial ATA

20 communication path, the second Serial ATA controller-side transceiver receiving a

21 second Serial ATA communication path, and the Serial ATA storage device-side

22 transceiver.

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24 3. (Currently Amended) <u>Each of the plurality of coupling circuits</u> The coupling

25 ~~circuit~~ of claim 1, wherein the microcontroller includes a processor coupled to a power

26 switch and coupled to the coupling circuit switches.

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28 4. (Currently Amended) <u>Each of the plurality of coupling circuits</u> The coupling

29 ~~circuit~~ of claim 1, wherein the microcontroller includes a processor coupled to a set of D

30 flip-flops that are coupled to a power switch and coupled to the coupling circuit switches.

1   5.   (Currently Amended) <u>Each of the plurality of coupling circuits</u> ~~The coupling~~
2   ~~circuit~~ of claim 1, wherein the microcontroller is programmed to ~~as follows:~~

3   switch the coupling circuit to a first storage controller;

4   switch the coupling circuit to a second storage controller;

5   power up the Serial ATA storage device; and

6   power down the Serial ATA storage device.

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8   6.   (Currently Amended) <u>Each of the plurality of coupling circuits</u> ~~The coupling~~
9   ~~circuit~~ of claim 5, wherein the microcontroller is further programmed to ~~as follows:~~

10   write data to a memory;

11   read data from the memory; and

12   read the status of the coupling circuit.

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14   7.   (Currently Amended) <u>Each of the plurality of coupling circuits</u> ~~The coupling~~
15   ~~circuit~~ of claim 6, wherein the status includes information on whether the Serial ATA
16   storage device is coupled to the first Serial ATA controller-side transceiver or the
17   second Serial ATA controller-side transceiver, the Serial ATA storage device is powered
18   up or down, the communication status, and/or the board revision and code revision
19   levels of the coupling circuit.

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21   22.   (Currently Amended) <u>Each of a plurality of coupling circuits</u> ~~A coupling~~
22   ~~circuit~~ for a storage device, comprising:

23   a first controller-side transceiver receiving a first communication path;

24   a second controller-side transceiver receiving a second communication path;

        a storage device-side transceiver;
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        coupling circuit switches selectively coupling either the first controller-side
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    transceiver or the second controller-side transceiver to the storage device-side
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    transceiver; and
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        a microcontroller adapted to control the coupling circuit switches and control the
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    power to the storage device.
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1   23.   (Currently Amended) <u>Each of a plurality of coupling circuits</u> A coupling

2   ~~circuit~~ for a Serial ATA storage device, comprising:

3   means for receiving a first Serial ATA communication path;

4   means for receiving a second Serial ATA communication path;

5   means for coupling either the first Serial ATA communication path or the second

6   Serial ATA communication path to the Serial ATA storage device; and

7   a microcontroller adapted to control the coupling circuit switches.

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